MR-1 CHECK OFF LIST FOR NON-CATEGORICAL COMPANIES

ST. MARY'S HOSPITAL **# 26210045**
350 BOULEVARD, PASSAIC

1. **Month of OCTOBER 1, 2008 THRU OCTOBER 31, 2008**

2.	Is Outlet # (8 digit) Correct?	Y	N	N/A
3.	Is average Total flow-gal.day stated in space provided?	Y	N	N/A
4.	Is max. Total flow-gal day stated in space provided?	Y	N	N/A
5.	Is method used to calculate water stated?	Y	N	N/A
6.	Are number of working days stated?	Y	N	N/A
7.	Are there any parameters which have exceeded PVSC Local Limits?	Y	N	N/A
8.	Is proper compliance/non-compliance statement provided?	Y	N	N/A
9.	Have correct number of samples been submitted?	Y	N	N/A
10.	Has PHC result been listed on MR-1 report?	Y	N	N/A
11.	Has sample number been reported in space provided?	Y	N	N/A
12.	Have all regulated parameters been listed on MR-1?	Y	N	N/A
13.	Has sample type been stated on MR-1?	Y	N	N/A
14.	Have all samples been taken during this reporting period?	Y	N	N/A
15.	Has NJDEPE certified lab been used?	Y	N	N/A
16.	Have analytical results been submitted on copies of Laboratory stationery?	Y	N	N/A
17.	Have results been written in space designated on MR-1?	Y	N	N/A
18.	Is correct method used to preserve samples stated on MR-1?	Y	N	N/A
19.	Has MR-1 been signed by authorized representative?	Y	N	N/A
20.	Has information been submitted on proper MR-1 form?	Y	N	N/A
21.	Remove Arsenic from report if sampling not required	Y	N	N/A

MR-1 CHECK OFF LIST FOR NON-CATEGORICAL COMPANIES

First Reviewer: comments on deficiencies Complete

Date Reviewed 12/1/08 Date sent to user _____

Date due back _____ Reviewer J Sudduth

Second review comments on deficiencies _____

Date Reviewed _____ Date sent to user _____

Date due back _____ Reviewer _____

Date _____ Reviewer _____

NOV 2 1 2008

PRETREATMENT MONITORING REPORT

NAME : ST. MARY'S HOSPITAL

MAILING ADDRESS: 350 Boulevard, Passaic, NJ 07055

FACILITY LOCATION: 350 Boulevard, Passaic, NJ 07055

CATEGORY & SUBPART: 460

OUTLET #: 1

CONTACT OFFICIAL: Mr. Martin Romanik

TELEPHONE #: (973) 365-5134

NEW CUSTOMER ID/ OUTLET ID: 26210045

OLD OUTLET DESIGNATION: 26210003

MONITORING RECORD					
START			END		
10	1	2008	10	31	2008
MO.	DAY	YR.	MO.	DAY	YR.

	Average	Maximum
Regulated Flow-gal/day	N/A	N/A
Total Flow-gal/day	217,627	239,390

Method Used: Meter Readings Divided by 31 days.

Production Rate (if applicable)

PARAMETER		MASS LIMIT OR CONCENTRATION			#OF SAMPLES	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS		COMP/GRAB
Zinc	Sample Measurement	0.036	0.036	ppm	1	COMP
	Permit Requirement	*1.67*	*1.67*	ppm		

DEC 2008 1st Input Industrial Dept.

PVSC Form MR-1 Rev:4 6/87 P1

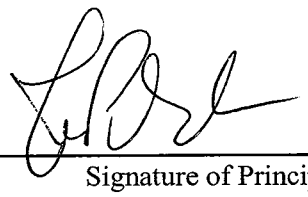
Certification of Non-use if applicable (use additional sheets): N/A

Compliance or non-compliance statement with compliance schedule (use additional sheets if necessary for every parameter used. PBI Regional Medical Center Hospital is in compliance with the PVSC local limits

Explain Method for preserving samples: Laboratory preserved with 5ml nitric acid to a pH of <2

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal
Executive or Authorized Agent

Joseph W. Pilewski

Vice President, Enviro-Sciences (OF DELAWARE), Inc
Type Name and Title

19-Nov-08
Date

PVSC Form MR-1 Rev:5 3/91 P2

Water Discharge Calculation Sheet

ST. MARY'S HOSPITAL (PBI)

OCTOBER 2008

Total water used from meter reading (Cubic feet)	949,400
x 7.48 (gallons / cubic foot)	
Total Usage (Gallons)	7,101,512
Evaporation (Gallons) 5% evaporation *	355,076
Volume Discharged (Gallons)	6,746,436

Volume Discharged For Month	
Daily Average Discharge (Gallons)	217,627
Daily Maximum Discharge (Gallons)	239,390

Month 10
Last day 31

*** NOTE: In the months of January, February and March the PVSC DOES NOT ALLOW a reduction for evaporation.**

70027224	70027225	70029946	60144298			
Meter 1	**Meter 2**	**Meter 3**	**Meter 4**	**Total**	**x 100**	**x 7.48**
2,557	4,952	1,615	370	9,494	949,400	7,101,512

	Reading Date		CF1	CF2	Consumption (100 cu.ft.)
Meter 1	11/10/08		9,103.00	1,587.00	
	10/10/08		7,546.00	1,577.00	
		C - L	1,557.00	10.00	
			x 1	x 100	
			1,557.00	1,000.00	**2,557.00**
Meter 2	11/10/08		5,336.00	1,323.00	
	10/10/08		3,684.00	1,290.00	
		C - L	1,652.00	33.00	
			x 1	x 100	
			1,652.00	3,300.00	**4,952.00**
Meter 3	11/10/08		6,021.00	7,758.00	
	10/10/08		4,826.00	7,716.00	
		C - L	1,195.00	42.00	
			x 1	x 10	
			1,195.00	420.00	**1,615.00**
Meter 4	11/10/08		2,369.00		
	10/10/08		2,332.00		
		C - L	37.00		
			x 10		
			370.00		**370.00**

IAL
Integrated Analytical Laboratories LLC

ANALYTICAL DATA REPORT

ESI, INC.
111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856

Project Name: **ST. MARY'S HOSPITAL (PB1) - R8MM**
IAL Case Number: **E08-11351**

These data have been reviewed and accepted by:

Michael H. Leftin, Ph.D.
Laboratory Director

273 Franklin Road
Randolph, NJ 07869
Phone: 973 361 4252
Fax: 973 989 5288

Sample Summary

IAL Case No.
E08-11351

Client ESI, INC.

Project ST. MARY'S HOSPITAL (PB1) - R8MM

Received On 10/ 2/2008@11:00

Lab ID	Client Sample ID	Depth Top/Bottom	Sampling Time	Matrix	# of Container
11351-001	SMP-1008	n/a	10/ 1/2008@11:20	Aqueous	1

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

INTEGRATED ANALYTICAL LABORATORIES, LLC.

TABLE OF CONTENTS

* Methodology is included in the IAL Project Information Page

INTEGRATED ANALYTICAL LABORATORIES, LLC.

MATRIX QUALIFIERS

A - Indicates the sample is an Aqueous matrix.

O - Indicates the sample is an Oil matrix.

S - Indicates the sample is a Soil, Sludge or Sediment matrix.

X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

DATA QUALIFIERS

B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.

C - Common Laboratory Contaminant.

D - The compound was reported from the Diluted analysis.

D.F. - Dilution Factor.

E - Estimated concentration, reported results are outside the calibrated range of the instrument.

J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.

MDL - Method Detection Limit.

MI - Indicates compound concentration could not be determined due to Matrix Interferences.

NA - Not Applicable.

ND - Indicates the compound was analyzed for but Not Detected at the MDL.

REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

Q - Qualifier

INTEGRATED ANALYTICAL LABORATORIES, LLC.

CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received one (1) aqueous sample(s) from ESI, INC. (Project: ST. MARY'S HOSPITAL (PB1) - R8MM) on October 2, 2008 for the analysis of:

(1) Metal - Copper
(1) Metal - Zinc

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

Jacqueline A Bynff
Reviewed by

10/15/08
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E08-11351

		Check If Complete
1.	Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation.	✓
2.	Table of Contents.	✓
3.	Summary Sheets listing analytical results for all targeted and non-targeted compounds.	✓
4.	Summary Table cross-referencing Field ID's vs. Lab ID's.	✓
5.	Document bound, paginated and legible.	✓
6.	Chain of Custody.	✓
7.	Methodology Summary.	✓
8.	Laboratory Chronicle and Holding Time Check.	✓
9.	Results submitted on a dry weight basis (if applicable).	✓
10.	Method Detection Limits.	✓
11.	Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.	✓
12.	NonConformance Summary.	✓

Jacqueline A Degraft
QC Reviewed by

10/16/07
Date

INTEGRATED ANALYTICAL LABORATORIES
CONFORMANCE/NONCONFORMANCE SUMMARY
METAL ANALYSIS

Lab Case Number: E08-11351

		No	Yes
1.	Calibration Summary Meet Criteria.		✓
2.	ICP Interference Check Sample Results Meets Criteria (if applicable)		NA
3.	Serial Dilution/Post Spike Summary Submitted (if applicable) / Meets Criteria		✓
4.	Internal Standards Meet Criteria (if applicable)		✓
5.	Laboratory Control Sample Summary Submitted (if applicable) / Meets Criteria		✓
6.	Blank Contamination: If yes, list compounds and concentrations in each blank:	✓	
7.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria. (If not, list those compounds and their recoveries which fall outside the acceptable range).		✓
8.	Extraction Holding Time Met. If not, list number of days exceeded for each sample:		✓
9.	Analysis Holding Time Met. If not, list number of days exceeded for each sample:		✓

Additional Comments:

Sample(s) used for aqueous metals analyses contained varying levels of sediment. Precautions were taken to use an aqueous representative of the sample. However, our experience has demonstrated that samples of this nature are very difficult to duplicate because the metals numbers are basically tied into the level of sediment present in the original sample. Additionally, as the remainder of the sample is stored under acidic conditions, some of the metals may continue to leach out into the water making any reproduction of the original number impossible. The rough amount of sediment present in the samples is as follows:

11351-001: Trace

H. Falck-Jorgensen
Inorganic Manager

October 9, 2008
Date

0004

INTEGRATED ANALYTICAL LABORATORIES, LLC.

SUMMARY REPORT
Client: ESI, INC.
Project: ST. MARY'S HOSPITAL (PB1) - R8MM
Lab Case No.: E08-11351

	Lab ID:	**11351-001**	
	Client ID:	**SMP-1008**	
	Matrix:	**Aqueous**	
	Sampled Date	**10/1/08**	
PARAMETER(Units)	Conc	Q	MDL
Metals (Units)	*(mg/L-ppm)*		
Copper	0.105		0.008
Zinc	0.036		0.008

INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS

Client/Project: ESI/ST. MARY'S HOSPITAL (PB1) - R8MM

Lab ID: E08-11351-001
Client ID: SMP-1008
Date Received: 10/02/08 11:00
Matrix-Units: Aqueous-mg/L (ppm)
% Moisture: 100
Batch #: 443

Compound	Result	Q	DF	MDL	Date Analyzed	Method
Copper	0.105		1	0.008	10/07/08	200.8
Zinc	0.036		1	0.008	10/07/08	200.8

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

BLANK 1 RESULTS SUMMARY

Batch (Page) #: 443

Associated Lab Case for Blank 1: 11108, 11219, 11242, 11338, 11339, 11348, 11349, 11350, 11414, 11416, 11283, 11284, 11308, 11318, 11351, 11388

Matrix: Aqueous Unit: ppb (µg/L) Method: 200.8/200.7

ANALYTE	SAMPLE MDL	REAGENT BLANK
Arsenic	2.00	ND
Cadmium	1.00	ND
Chromium	8.00	ND
Copper	8.00	ND
Iron	100	ND
Lead	2.00	ND
Magnesium	200	ND
Manganese	4.00	ND
Mercury	0.500	ND
Nickel	4.00	ND
Selenium	8.00	ND
Silver	2.00	ND
Zinc	8.00	ND

Associated Sample for Blank 1:

11108-001; 11219-001; 11242-001; 11338-001
11339-001; 11348-001; 11349-001; 11350-001
11414-001; 11416-001; 11283-006; 11284-001~004
11308-001; 11318-001,004; 11351-001; 11388-001

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION BLANKS VERIFICATION

Batch (Page) #: 443
Lab Case: 11108, 11219, 11242, 11283, 11284, 11308, 11318, 11338, 11339, 11348, 11349, 11350 11351, 11388, 11414, 11416

Matrix: Aqueous Method: 200.8/200.7 Concentration/Units: ppb (µg/L)

ANALYTE	INST. MDL	ICB	CCB	CCB	CCB	CCB	CCB
Arsenic	0.500	ND	ND	ND	ND	ND	ND
Cadmium	0.250	ND	ND	ND	ND	ND	ND
Chromium	2.00	ND	ND	ND	ND	ND	ND
Copper	2.00	ND	ND	ND	ND	ND	ND
Iron	50.0	ND	ND				
Lead	0.500	ND	ND	ND	ND	ND	ND
Magnesium	100	ND	ND				
Manganese	1.00	ND	ND	ND	ND	ND	ND
Mercury	0.250	ND	ND	ND			
Nickel	1.00	ND	ND	ND	ND	ND	ND
Selenium	2.00	ND	ND	ND	ND	ND	ND
Silver	0.500	ND	ND	ND	ND	ND	ND
Zinc	2.00	ND	ND	ND	ND	ND	ND

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 443
Lab Case: 11108, 11219, 11242, 11283, 11284, 11308, 11318, 11338, 11339, 11348, 11349, 11350 11351, 11388, 11414, 11416

Matrix: Aqueous Method: 200.8/200.7 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	ICV		CCV		CCV		CCV	
			FOUND	% R	FOUND	% R	FOUND	% R	FOUND	% R
Arsenic	0.500	20.0	20.6	103	19.6	98.0	19.6	98.0	19.1	95.5
Cadmium	0.250	10.0	10.2	102	9.51	95.1	9.68	96.8	9.21	92.1
Chromium	2.00	20.0	18.3	91.5	18.3	91.5	18.4	92.0	18.6	93.0
Copper	2.00	50.0	49.0	98.0	50.2	100	49.5	99.0	47.9	95.8
Iron	50.0	10000	10800	108	10700	107				
Lead	0.500	10.0	9.60	96.0	9.48	94.8	9.27	92.7	9.17	91.7
Magnesium	100	10000	10800	108	10600	106				
Manganese	1.00	30.0	28.1	93.7	29.1	97.0	28.7	95.7	29.0	96.7
Mercury	0.250	5.00	4.93	98.6	4.98	99.6	4.99	99.8		
Nickel	1.00	80.0	76.1	95.1	78.0	97.5	76.9	96.1	73.4	91.8
Selenium	2.00	10.0	10.6	106	9.63	96.3	9.57	95.7	9.58	95.8
Silver	0.500	20.0	18.9	94.5	19.1	95.5	18.5	92.5	18.7	93.5
Zinc	2.00	40.0	38.9	97.3	40.9	102	40.0	100	39.6	99.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

INITIAL & CONTINUING CALIBRATION VERIFICATION

Batch (Page) #: 443

Lab Case: 11108, 11219, 11242, 11283, 11284, 11308, 11318, 11338, 11339, 11348, 11349, 11350 11351, 11388, 11414, 11416

Matrix: Aqueous Method: 200.8/200.7 Units: ppb (ug/L)

ANALYTE	INST. MDL	ICV & CCV TRUE	CCV FOUND	CCV % R	CCV FOUND	CCV % R				
Arsenic	0.500	20.0	19.4	97.0	20.8	104				
Cadmium	0.250	10.0	9.32	93.2	9.03	90.3				
Chromium	2.00	20.0	19.0	95.0	18.8	94.0				
Copper	2.00	50.0	49.0	98.0	49.8	99.6				
Lead	0.500	10.0	9.37	93.7	9.25	92.5				
Manganese	1.00	30.0	29.5	98.3	31.5	105				
Nickel	1.00	80.0	75.4	94.3	76.9	96.1				
Selenium	2.00	10.0	9.78	97.8	9.87	98.7				
Silver	0.500	20.0	18.6	93.0	19.0	95.0				
Zinc	2.00	40.0	41.4	104	43.8	110				

(1) Control Limits: Mercury 80-120; Other Metals 90-110

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SPIKE SAMPLE RECOVERY

Batch (Page) #: 443

Lab Case: 11108, 11219, 11242, 11338, 11339, 11348, 11349, 11350, 11414, 11416
11283, 11284, 11308, 11318, 11351, 11388

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SSR1	SR1	%R1	SA1	SSR2	SR2	%R2	SA2	CONTROL LIMIT %R
Arsenic	359	ND	89.8	400					75-125
Cadmium	348	ND	87.0	400	340	ND	85.0	400	75-125
Chromium	369	ND	92.3	400					75-125
Copper	388	ND	97.0	400	364	ND	91.0	400	75-125
Iron	8180	216	99.6	8000					75-125
Lead	386	ND	96.5	400	387	ND	96.8	400	75-125
Magnesium	10600	2480	102	8000					75-125
Manganese					857	464	98.3	400	75-125
Mercury	9.76	ND	97.6	10.0	9.68	ND	96.8	10.0	75-125
Nickel	384	ND	96.0	400	382	10.7	92.8	400	75-125
Selenium	335	ND	83.8	400					75-125
Silver	376	ND	94.0	400					75-125
Zinc	373	19.2	88.5	400	369	20.7	87.1	400	75-125

SSR = Spike Sample Result
SA = Spike Added
NC = Non-calculable % R; Sample concentration > 4 x Spike Concentration.

SR = Sample Result
%R = Percent Recovery

QC Sample 1 11219-001
QC Sample 1 for following samples:
11108-001; 11219-001; 11242-001; 11338-001
11339-001; 11348-001; 11349-001; 11350-001
11414-001; 11416-001

QC Sample 2 11318-004
QC Sample 2 for following samples:
11283-006; 11284-001~004; 11308-001; 11318-001,004
11351-001; 11388-001

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL
DUPLICATE SAMPLE RECOVERY

Batch (Page) #: 443
Lab Case: 11108, 11219, 11242, 11338, 11339, 11348, 11349, 11350, 11414, 11416
11283, 11284, 11308, 11318, 11351, 11388

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	CONTROL LIMIT 1	S1	D1	RPD1	CONTROL LIMIT 2	S2	D2	RPD2
Arsenic	NA	ND	ND	NC				
Cadmium	NA	ND	ND	NC	NA	ND	ND	NC
Chromium	NA	ND	ND	NC				
Copper	NA	ND	ND	NC	NA	ND	ND	NC
Iron	20	216	222	2.74				
Lead	NA	ND	ND	NC	NA	ND	ND	NC
Magnesium	20	2480	2600	4.72				
Manganese					20	464	458	1.30
Mercury	NA	ND	ND	NC	NA	ND	ND	NC
Nickel	NA	ND	ND	NC	20	10.7	10.2	4.78
Selenium	NA	ND	ND	NC				
Silver	NA	ND	ND	NC				
Zinc	20	19.2	18.7	2.64	20	20.7	18.9	9.09

S1 = Sample 1
D1 = Duplicate 1
NA = Not Applicable
NC = Non-calculable RPD due to result (s) less than the detection limit.

S2 = Sample 2
D2 = Duplicate 2

QC Sample 1 11219-001
QC Sample 1 for following samples:
11108-001; 11219-001; 11242-001; 11338-001
11339-001; 11348-001; 11349-001; 11350-001
11414-001; 11416-001

QC Sample 2 11318-004
QC Sample 2 for following samples:
11283-006; 11284-001~004; 11308-001; 11318-001,004
11351-001; 11388-001

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

LABORATORY CONTROL SAMPLE

Batch (Page) #: 443

Lab Case: 11108, 11219, 11242, 11283, 11284, 11308, 11318, 11338, 11339, 11348, 11349, 11350 11351, 11388, 11414, 11416

Matrix: Aqueous Unit: ppb (µg/L)

ANALYTE	BSW1			BSW2		
	TRUE	FOUND	%R(1)	TRUE	FOUND	%R(1)
Arsenic	400	364	91.0			
Cadmium	400	361	90.3			
Chromium	400	359	89.8			
Copper	400	377	94.3			
Iron	8000	8610	108			
Lead	400	356	89.0			
Magnesium	8000	8250	103			
Manganese	400	368	92.0			
Mercury	10.0	9.87	98.7			
Nickel	400	367	91.8			
Selenium	400	370	92.5			
Silver	400	364	91.0			
Zinc	400	388	97.0			

(1) Control Limits % Recovery = 85-115%

BSW1	BSW2
11108-001; 11219-001; 11242-001; 11338-001	
11339-001; 11348-001; 11349-001; 11350-001	
11414-001; 11416-001; 11283-006; 11284-001~004	
11308-001; 11318-001,004; 11351-001; 11388-001	

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

SERIAL DILUTIONS & POST SPIKES 2

Batch (Page) #: 443
Lab Case: 11283, 11284, 11308, 11318, 11351, 11388

Matrix: Aqueous Concentration/Units: ppb (µg/L)

ANALYTE	SERIAL DILUTION		%	POST SPIKE		%
	SR	SDR	Difference	SPR	SA	Recovery
Cadmium	ND			335	400	83.8
Copper	ND			354	400	88.5
Lead	ND			381	400	95.3
Manganese	464	465	0.215			
Nickel	10.7			366	400	88.8
Zinc	20.7			362	400	85.3

SR = Sample Result
SDR = Sample Dilution Result

SPR = Sample Post Spike Result
SA = Spike Added

Control Limits: (+) or (-) 10% Difference or 75 - 125% Recovery

QC Sample2 : 11318-004
QC Sample 2 for following samples:
11283-006; 11284-001~004; 11308-001; 11318-001,004
11351-001; 11388-001

0014

E08-11351 INTEGRATED ANALYTICAL LABORATORIES, LLC.

METALS QUALITY CONTROL

IPC

Batch (Page) #: 443
Lab Case: 11108, 11219, 11242, 11283, 11284, 11308, 11318, 11338, 11339, 11348, 11349, 11350 11351, 11388, 11414, 11416

Matrix: Aqueous Unit: ppb (µg/L)

ANALYTE	BSW1		
	TRUE	FOUND	%R(1)
Arsenic	50.0	49.6	99.2
Cadmium	50.0	50.2	100
Chromium	50.0	47.6	95.2
Copper	50.0	50.7	101
Iron	5000	4880	97.6
Lead	50.0	48.2	96.4
Magnesium	5000	5160	103
Manganese	50.0	48.0	96.0
Mercury	2.50	2.44	97.6
Nickel	50.0	49.0	98.0
Selenium	50.0	49.7	99.4
Silver	50.0	48.7	97.4
Zinc	50.0	50.2	100

(1) Control Limits = 95-105%

CHAIN OF CUSTODY

No. _____
(Lab Use Only)

ENVIRO-SCIENCES, INC.

111 Howard Boulevard, Suite 108
Mount Arlington, NJ 07856
Phone: 973-398-8183
Fax: 973-398-8037

CLIENT: **ST. MARY'S HOSPITAL (PBI)** PROJECT NAME: **R8MM**

DELIVERABLES: **Reduced Data Deliverables**

SEND REPORT TO: **Bob Lawrence** E-Mail: **RLawrenc@Enviro-Sciences.com**

Sample Identification		Sampling Location Point	Sample Date	Sampling Time			Sample Matrix	Sample Type		Analysis Required (code #)	# of Containers
Lab	Field ID				AM	PM		Comp.	Grab		
	SMP-1008	Process Wastewater	10/1/08	11:20			Aqueous	X		12, 19	1

Note: PVSC Threshold Limits Required

Method of Relinquishment: Drop Off Name of Laboratory: IAL

Relinquished By: (Sign): _____ Received By (Sign): _____ Date/Time: 10/2/08 11:00

Relinquished To Lab By: (Sign): _____ Received For Lab By (Sign): _____ Date/Time: _____

Analysis	Code	Analysis	Code	Analysis	Code
Priority Pollutant Metals	01	Cadmium	10	Zinc	19
Petroleum Hydrocarbons	02	Chromium	11		
Volatile Organics + 15	03	Copper	12		
Base Neutrals + 15	04	Lead	13		
Acid & Base / Neutrals	05	Mercury	14		
VO+15 + MTBE / TBA	06	Nickel	15		
Antimony	07	Selenium	16		
Arsenic	08	Silver	17		
Beryllium	09	Thallium	18		

11351

Note: Report on CD NOT Required

\\Grove\Shared\Project Files_NTFRS_2b3b41cb\Hospital Group\Custody Chains\Monthly\1 month chain SMP.doc, 9/29/2008

PROJECT INFORMATION

Case No. E08-11351 **Project** ST. MARY'S HOSPITAL (PB1) - R8MM

Customer	ESI, INC.	**P.O. #**	
Contact	Bob Lawrence	**Received**	10/2/2008 11:00
EMail	rlawrenc@enviro-sciences.com ☑ EMail EDDs	**Verbal Due**	10/16/2008
Phone	(973) 398-8183 **Fax** 1(973) 398-8037	**Report Due**	10/23/2008

Report To

111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856
Attn: Bob Lawrence

Bill To

111 Howard Blvd
Suite 108
Mount Arlington, NJ 07856
Attn: Bob Lawrence

Report Format Reduced

Additional Info ☐ State Form ☐ Field Sampling ☐ Conditional VOA

Lab ID	Client Sample ID	Depth Top / Bottom	Sampling Time	Matrix	Unit	# of Containers
11351-001	SMP-1008	n/a	10/1/2008@11:20	Aqueous	mg/L	1

Sample #	Tests	Status	QA Method
001	Copper - Cu	Run	200.8
"	Zinc - Zn	Run	200.8

INTEGRATED ANALYTICAL LABORATORIES, LLC

SAMPLE RECEIPT VERIFICATION

CASE NO: **E 08** **11351** CLIENT: ESI

COOLER TEMPERATURE: 2° - 6°C: ✓ (See Chain of Custody)

Comments

COC: (COMPLETE) / INCOMPLETE

KEY
✓ = YES/NA
✗ = NO

- ✓ Bottles Intact
- ✓ no-Missing Bottles
- ✓ no-Extra Bottles
- ✓ Sufficient Sample Volume
- ✓ no-headspace/bubbles in VOs
- ✓ Labels intact/correct
- ✓ pH Check (exclude VOs)[1]
- ✓ Correct bottles/preservative
- ✓ Sufficient Holding/Prep Time[1]
- [ ] Sample to be Subcontracted

[1] All samples with "Analyze Immediately" holding times will be analyzed by this laboratory past the holding time. This includes but is not limited to the following tests: pH, Temperature, Free Residual Chlorine, Total Residual Chlorine, Dissolved Oxygen, Sulfite.

ADDITIONAL COMMENTS:

SAMPLE(S) VERIFIED BY: INITIAL MB DATE 10/6/08

CORRECTIVE ACTION REQUIRED: **YES** [ ] (SEE BELOW) **NO** X

CLIENT NOTIFIED: YES [ ] Date/ Time: _____ NO [ ]

PROJECT CONTACT:

SUBCONTRACTED LAB:

DATE SHIPPED:

ADDITIONAL COMMENTS:

VERIFIED/TAKEN BY: INITIAL [illegible] DATE 10·3·08

REV 02/05

0819

Laboratory Custody Chronicle

IAL Case No.
E08-11351

Client ESI, INC.

Project ST. MARY'S HOSPITAL (PB1) - R8MM

Received On 10/ 2/2008@11:00

Department: Metals			***Prep. Date***	***Analyst***	***Analysis Date***	***Analyst***
Copper - Cu	11351-001	Aqueous	10/ 6/08	Lisa	10/ 7/08	Helge
Zinc - Zn	-001	Aqueous	10/ 6/08	Lisa	10/ 7/08	Helge

Review and Approval: Jacqueline A Degulf

Integrated Analytical Labs ~ 273 Franklin Road, Randolph, NJ 07869 ~ (973) 361-4252 ~ Fax (973) 989-5288

ROF Down Box

NON USE CERTIFICATION MONITORING REPORT
LOCAL LIMITS

AME: ST. MARY'S HOSPITAL

AILING ADDRESS:

ACILITY LOCATION: PASSAIC

ATEGORY & SUBPART _____ PERMIT #: 26210045 OUTLET #: 1

ONTACT OFFICIAL: _____ TELEPHONE #: _____

have been authorized to certify non-use for the following heavy metals:

rsenic _____ Lead _____ Zinc _____

admium _____ Mercury _____

romium _____ Molybdenum _____

opper ✓ Nickel _____

SAMPLE DATE			
MONTH	DAY	YEAR	
10	1	2008	

PARAMETER	1	CONCENTRATION			SAMPLE TYPE
		RESULT	THRESHOLD VALUE EXCEEDED YES OR NO	UNITS	COMP/GRAB
Cu	Sample Measurement	0.105	Yes	mg/l	Comp.
	Threshold Value	0.092		1	
	Sample Measurement				
	Threshold Value				
	Sample Measurement				
	Threshold Value				
	Sample Measurement				
	Threshold Value				
	Sample Measurement				
	Threshold Value				
	Sample Measurement				
	Threshold Value				
	Sample Measurement				
	Threshold Value				
	Sample Measurement				
	Threshold Value				
	Sample Measurement				
	Threshold Value				

DEC 2008 1st Input Industrial Dept.

DEC 2008 2nd Input Industrial Dept.

PVSC Form MR-3 10/96

SB